



## CITY OF INDIANAPOLIS

WILLIAM H. HUDNUT, III  
MAYOR



DIRECTOR  
RICHARD A. RIPPEL

DEPARTMENT OF PUBLIC WORKS  
2700 SOUTH BELMONT AVENUE  
INDIANAPOLIS, INDIANA 46221

TELEPHONE  
634-2030

June 3, 1983

*CERTIFIED # 4801080*

Ms. Valerie Jones  
United States  
Environmental Protection Agency  
Region V  
230 South Dearborn Avenue  
Chicago, IL 60604

Dear Ms. Jones:

Enclosed are the completed Industrial Surveys for the Indianapolis and Marion County area which you requested at our May 13, 1983 meeting. The surveys are grouped by industrial categories and with two exceptions can be used as you see fit.

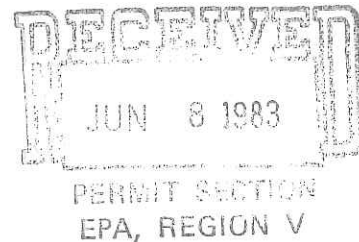
The survey's from Industrial Liquid Waste Disposal Company and Rock Island Refinery are enclosed in a separate envelope and have been treated as confidential by us since we received them. There is a letter of explanation attached to each survey and we have honored their request for confidentiality since the surveys have been in our possession. I'm sure this won't create any problems for you. If you need any additional information please advise me. I can be contacted at (317) 633-5475.

Sincerely,

Dale Bertelson  
Section Head  
Industrial Surveillance

DRB:vlc

cc: Vicky Keramida  
Larry Scully



City of Indianapolis  
Industrial Wastewater Pretreatment Questionnaire  
(One Questionnaire Required Per Facility)

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
2/4 Date Received	JES Reviewer's Initials	2/11/82 Date Reviewed

**Section A – General Information**

1. Company Name: Acetylene Products Co., Inc.
2. Street Address: 1760 S. Harding  
Indianapolis, Indiana zip: 46221
3. Mailing Address: P.O. Box 21138  
Indianapolis, Indiana zip: 46221
4. Briefly describe the manufacturing or service activity at this facility. \_\_\_\_\_  
Industrial Gas - Welding Equipment Distribution  
Acetylene Producer
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
5084	<u>Welding Equipment</u>	<u>Distribution Only</u>
	<u>Industrial Gases</u>	<u>Distribution Only</u>
2813	<u>Acetylene Gas</u>	<u>Calcium Carbide + Water</u>

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

☒ X

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: Thomas E. Fulkerson Title: President

Print or Type Name: Thomas E. Fulkerson Date: 2-2-82

Contact Person: Thomas E. Fulkerson Telephone No.: 317-632-6355

Total number of employees: \_\_\_\_\_

Operating Schedule: Hrs/Day \_\_\_\_\_ Days/Week \_\_\_\_\_ Days/Yr \_\_\_\_\_

Scheduled Shutdown Period(s): \_\_\_\_\_

Are processes subject to seasonal variation? Yes ☐ No ☐

If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

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Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:

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# INDUSTRIAL SURVEILLANCE QUESTIONNAIRE CHECKLIST

- Step 1. Review survey questionnaire and fill out checklist.
- Step 2. Attach checklist to survey questionnaire.
- Step 3. File information in appropriate folder:
- "Adequate Information"
  - "Requires Further Information"

## SECTION A: GENERAL INFORMATION

	Yes	No
1. Are items 1-5 complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Have SIC codes been assigned?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Is the form signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Are items 6-8 complete?	<input type="checkbox"/>	<input type="checkbox"/>
5. Is adequate detail provided for questions 9 and 10?	<input type="checkbox"/>	<input type="checkbox"/>
6. List items missing or inadequately completed.		
<u>unsigned &amp; may have discharge</u>		
<u>pit where H<sub>2</sub>O runs off</u>		
<u>slurry hauled away to landfill</u>		

## SECTION B: WASTEWATER INFORMATION

	Yes	No
1. Are items 1 and 2 complete?	<input type="checkbox"/>	<input type="checkbox"/>
2. Are items 3-7 complete?	<input type="checkbox"/>	<input type="checkbox"/>
3. Is an adequate drawing provided for item 5?	<input type="checkbox"/>	<input type="checkbox"/>
4. For a facility with process wastewater, is item 8a completed?	<input type="checkbox"/>	<input type="checkbox"/>
Item 8b?	<input type="checkbox"/>	<input type="checkbox"/>
5. List items missing or inadequately completed.		
<hr/>		
<hr/>		
<hr/>		

**City of Indianapolis**  
**Industrial Wastewater Pretreatment Questionnaire**  
**(One Questionnaire Required Per Facility)**

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
Date Received	Reviewer's Initials	Date Reviewed

**Section A – General Information**

1. Company Name: Airco ~~Cryoplant~~ Industrial Gases
2. Street Address: 1045 Harding Court  
Indianapolis, IN zip: 46217
3. Mailing Address: Same  
zip: \_\_\_\_\_
4. Briefly describe the manufacturing or service activity at this facility. Plant takes air into a  
distillation process which separates and liquifies it into: liquid oxygen,  
liquid nitrogen, and crude liquid argon.
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
2813	Oxygen	Air Distillation
	Nitrogen	"
	Crude Argon	"

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: [Signature] Title: Regulatory Compliance Coordinator  
Print or Type Name: F. J. Dux Date: 3/9/82  
Contact Person: J. W. Kennedy Telephone No.: 317-788-4751

6. Total number of employees: 43
7. Operating Schedule: Hrs/Day 24 Days/Week 7 Days/Yr 365
8. Scheduled Shutdown Period(s): None
9. Are processes subject to seasonal variation? Yes ☐ No ☒

If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

N/A

10. Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:

N/A

Section B — Wastewater Information

1. Water intake:	Average Gallons Per Day
a. City Water Supply	<u>108,000 gal./day</u>
b. Private Wells	<u>N/A</u>
c. _____	<u>                    </u>
TOTAL	<div>108,000</div>

2. Water Discharge/Loss:	Average Gallons Per Day
a. Municipal Sewer (estimate percentage of flow according to following categories)	<u>21,600 gal./day</u>
	%
i. cooling	<u>99</u>
ii. process	<u>N/A</u>
iii. sanitary	<u>1</u>
iv. other	<u>                    </u>
b. Natural Receiving Waters/Storm Sewer	<u>                    </u>
c. Waste Hauler	<u>                    </u>
d. Evaporation	<u>86,400</u>
e. Contained in Product	<u>                    </u>
f. _____	<u>                    </u>
g. _____	<u>                    </u>
TOTAL	<div>108,000</div>

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number: N/A

City of Indianapolis Authorization to discharge industrial wastewater  
to the municipal sewer system permit #281301 Expiration 1/31/83

4. For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

<u>Outlet No.</u>	<u>Size (in.)</u>	<u>Average Flow (gal/day)</u>	<u>Major Source(s) of Flow</u>	<u>pH Range</u>
1.	_____	<u>21,600</u>	<u>Non-contact cooling water and sanitary sewage</u>	<u>ph 5-10</u>
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
8.	_____	_____	_____	_____

5. Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location and a brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and/or flow monitoring can be accomplished. Per current permit.

6. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposal of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)

None

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7. Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes ☐ No ☐

8. a. Characterize the wastewater for each outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage system.

Outlet number (ref. B-4): \_\_\_\_\_

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene	<input type="checkbox"/>	27.	1,4-dichlorobenzene (para)	<input type="checkbox"/>
2.	*acrolein	<input type="checkbox"/>		*dichlorobenzidine	
3.	*acrylonitrile	<input type="checkbox"/>	28.	3,3'-dichlorobenzidine	<input type="checkbox"/>
4.	*benzene	<input type="checkbox"/>		*dichloroethylenes (1,1-dichloroethyl- ene and 1,2-dichloroethylene)	
5.	*benzidine	<input type="checkbox"/>	29.	1,1-dichloroethylene	<input type="checkbox"/>
6.	*carbon tetrachloride (tetrachloromethane)	<input type="checkbox"/>	30.	1,2-trans-dichloroethylene (acetylene dichloride)	<input type="checkbox"/>
	*chlorinated benzenes (other than dichlorobenzenes)		31.	*2,4-dichlorophenol	<input type="checkbox"/>
7.	chlorobenzene	<input type="checkbox"/>		*dichloropropane and dichloropropene	
8.	1,2,4-trichlorobenzene	<input type="checkbox"/>	32.	1,2-dichloropropane (propylene dichloride)	<input type="checkbox"/>
9.	hexachlorobenzene (perchlorobenzene)	<input type="checkbox"/>	33.	1,2-dichloropropylene (1,3- dichloropropene)	<input type="checkbox"/>
	*chlorinated ethanes		34.	*2,4-dimethylphenol (2,4-xyleneol)	<input type="checkbox"/>
10.	1,2-dichloroethane (ethylene chloride)	<input type="checkbox"/>		*dinitrotoluene	
11.	1,1,1-trichloroethane (methyl chloroform)	<input type="checkbox"/>	35.	2,4-dinitrotoluene	<input type="checkbox"/>
12.	hexachloroethane (perchloroethane)	<input type="checkbox"/>	36.	2,6-dinitrotoluene	<input type="checkbox"/>
13.	1,1-dichloroethane (ethylidene chloride)	<input type="checkbox"/>	37.	*1,2-diphenylhydrazine (hydrazobenzene)	<input type="checkbox"/>
14.	1,1,2-trichloroethane (vinyl trichloride)	<input type="checkbox"/>	38.	*ethylbenzene	<input type="checkbox"/>
15.	1,1,2,2-tetrachloroethane (acetylene tetrachloride)	<input type="checkbox"/>	39.	*fluoranthene	<input type="checkbox"/>
16.	chloroethane (ethylchloride)	<input type="checkbox"/>		*haloethers (other than those listed elsewhere)	
	*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)		40.	4-chlorophenyl phenyl ether	<input type="checkbox"/>
17.	bis(chloromethyl) ether	<input type="checkbox"/>	41.	4-bromophenyl phenyl ether	<input type="checkbox"/>
18.	bis(2-chloroethyl) ether	<input type="checkbox"/>	42.	bis(2-chloroisopropyl) ether	<input type="checkbox"/>
19.	2-chloroethyl vinyl ether (mixed)	<input type="checkbox"/>	43.	bis(2-chloroethoxy) methane	<input type="checkbox"/>
	*chlorinated naphthalene			*halomethanes (other than those listed elsewhere)	
20.	2-chloronaphthalene	<input type="checkbox"/>	44.	methylene chloride (dichloromethane)	<input type="checkbox"/>
	*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)		45.	methyl chloride (chloromethane)	<input type="checkbox"/>
21.	2,4,6-trichlorophenol	<input type="checkbox"/>	46.	methyl bromide (bromomethane)	<input type="checkbox"/>
22.	4-chloro-3-methylphenol (parachlorometa cresol)	<input type="checkbox"/>	47.	bromoform (tribromomethane)	<input type="checkbox"/>
23.	*chloroform (trichloromethane)	<input type="checkbox"/>	48.	dichlorobromomethane	<input type="checkbox"/>
24.	*2-chlorophenol (para-chlorophenol)	<input type="checkbox"/>	49.	trichlorofluoromethane (fluorocarbon-11)	<input type="checkbox"/>
	*dichlorobenzenes		50.	dichlorodifluoromethane (fluorocarbon-12)	<input type="checkbox"/>
25.	1,2-dichlorobenzene (ortho)	<input type="checkbox"/>	51.	dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>
26.	1,3-dichlorobenzene (meta)	<input type="checkbox"/>	52.	*hexachlorobutadiene	<input type="checkbox"/>
			53.	*hexachlorocyclopentadiene (perchlorocyclopentadiene)	<input type="checkbox"/>

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
54.	*isophorone	<input type="checkbox"/>	93.	4,4'-DDE (p,o'-DDX)	<input type="checkbox"/>
55.	*naphthalene	<input type="checkbox"/>	94.	4,4'-DDD (p,o'-TDE)	<input type="checkbox"/>
56.	*nitrobenzene	<input type="checkbox"/>		*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)		95.	endosulfan I (a-endosulfan-Alpha)	<input type="checkbox"/>
57.	2-nitrophenol (para)	<input type="checkbox"/>	96.	endosulfan II (b-endosulfan-Beta)	<input type="checkbox"/>
58.	4-nitrophenol (ortho)	<input type="checkbox"/>	97.	endosulfan sulfate	<input type="checkbox"/>
59.	*2,4-dinitrophenol	<input type="checkbox"/>		*endrin and metabolites	
60.	4,6-dinitro-2-methylphenol (4,6-dinitro-o-cresol)	<input type="checkbox"/>	98.	endrin	<input type="checkbox"/>
	*nitrosamines		99.	endrin aldehyde	<input type="checkbox"/>
61.	N-nitrosodimethylamine	<input type="checkbox"/>		*heptachlor and metabolites	
62.	N-nitrosodiphenylamine	<input type="checkbox"/>	100.	heptachlor	<input type="checkbox"/>
63.	N-nitrosodi-n-propylamine	<input type="checkbox"/>	101.	heptachlor epoxide	<input type="checkbox"/>
64.	*pentachlorophenol	<input type="checkbox"/>		*hexachlorocyclohexane (all isomers)	
65.	*phenol	<input type="checkbox"/>	102.	a-BHC-Alpha	<input type="checkbox"/>
	*phthalate esters		103.	b-BHC-Beta	<input type="checkbox"/>
66.	bis(2-ethylhexyl) phthalate	<input type="checkbox"/>	104.	r-BHC-Gamma (lindane)	<input type="checkbox"/>
67.	butyl benzyl phthalate	<input type="checkbox"/>	105.	g-BHC-Delta	<input type="checkbox"/>
68.	di-n-butyl phthalate	<input type="checkbox"/>		*polychlorinated biphenyls (PCB's)	
69.	di-n-octyl phthalate	<input type="checkbox"/>	106.	PCB-1242 (Arochlor 1242)	<input type="checkbox"/>
70.	diethyl phthalate	<input type="checkbox"/>	107.	PCB-1254 (Arochlor 1254)	<input type="checkbox"/>
71.	dimethyl phthalate	<input type="checkbox"/>	108.	PCB-1221 (Arochlor 1221)	<input type="checkbox"/>
	*polynuclear aromatic hydrocarbons		109.	PCB-1232 (Arochlor 1232)	<input type="checkbox"/>
72.	benzo(a)anthracene (1,2-benzanthracene)	<input type="checkbox"/>	110.	PCB-1248 (Arochlor 1248)	<input type="checkbox"/>
73.	benzo(a)pyrene (3,4-benzopyrene)	<input type="checkbox"/>	111.	PCB-1260 (Arochlor 1260)	<input type="checkbox"/>
74.	3,4-benzofluoranthene	<input type="checkbox"/>	112.	PCB-1016 (Arochlor 1016)	<input type="checkbox"/>
75.	benzo(k)fluoranthene (11,12-benzofluoranthene)	<input type="checkbox"/>	113.	*toxaphene	<input type="checkbox"/>
76.	chrysene (1,2-benzphenanthrene)	<input type="checkbox"/>	114.	*antimony (total)	<input type="checkbox"/>
77.	acenaphthylene	<input type="checkbox"/>	115.	*arsenic (total)	<input type="checkbox"/>
78.	anthracene	<input type="checkbox"/>	116.	*asbestos (fibrous)	<input type="checkbox"/>
79.	benzo(ghi)perylene (1,12-benzoperylene)	<input type="checkbox"/>	117.	*beryllium (total)	<input type="checkbox"/>
80.	fluorene ([alpha] - diphenylene methane)	<input type="checkbox"/>	118.	*cadmium (total)	<input type="checkbox"/>
81.	phenanthrene	<input type="checkbox"/>	119.	*chromium (hexavalent)	<input checked="" type="checkbox"/>
82.	dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)	<input type="checkbox"/>	120.	*copper (total)	<input type="checkbox"/>
83.	indeno (1,2,3-cd)pyrene (2,3-o-phenylenepyrene)	<input type="checkbox"/>	121.	*cyanide (total)	<input type="checkbox"/>
84.	pyrene	<input type="checkbox"/>	122.	*lead (total)	<input type="checkbox"/>
85.	*tetrachloroethylene (perchloroethylene)	<input type="checkbox"/>	123.	*mercury (total)	<input type="checkbox"/>
86.	*toluene (methylbenzene or toluol)	<input type="checkbox"/>	124.	*nickel (total)	<input type="checkbox"/>
87.	*trichloroethylene	<input type="checkbox"/>	125.	*selenium (total)	<input type="checkbox"/>
88.	*vinyl chloride (chloroethylene)	<input type="checkbox"/>	126.	*silver (total)	<input type="checkbox"/>
	pesticides and metabolites		127.	*thallium (total)	<input type="checkbox"/>
89.	*aldrin	<input type="checkbox"/>	128.	*zinc (total)	<input type="checkbox"/>
90.	*dieldrin	<input type="checkbox"/>	129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<input type="checkbox"/>
91.	*chlordane (technical mixture & metabolites)	<input type="checkbox"/>		*Specific compounds and chemical classes as listed in the 1976 EPA consent decree.	
	*DDT and metabolites			**This compound was specifically listed in the consent decree. Because of the extreme toxicity (TCDD), EPA recommends that laboratories <i>not</i> acquire analytical standard for this compound.	
92.	4,4'-DDT	<input type="checkbox"/>			

8. List in the "Chemical Compound" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate *either* the pounds discharged per year or the average concentration in milligrams per liter (mg/l) of the material in the waste stream.

[illegible]

**City of Indianapolis**  
**Industrial Wastewater Pretreatment Questionnaire**  
**(One Questionnaire Required Per Facility)**

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
3/3/82 Date Received	PAC Reviewer's Initials	4/15/82 Date Reviewed

**Section A – General Information**

1. Company Name: AMERICAN MONITOR CORPORATION
2. Street Address: 5425 W. 84th St.  
Indianapolis, IN zip: 46268
3. Mailing Address: 5425 W. 84th St.  
Indianapolis, IN zip: 46268
4. Briefly describe the manufacturing or service activity at this facility. Manufactures of Diagnostic  
Reagents for Hospitals and clinical Laboratories.
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
<u>2819</u>	<u>Chemical Reagents</u>	<u>Batching &amp; Packing, Dispensing</u>
<u>2869</u>		

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: Marcia J. Arentz Title: Vice-President

Print or Type Name: Marcia J. Arentz Date: March 30, 1982

Contact Person: Marilyn Amick Telephone No.: 872-0300



Section B — Wastewater Information

1. Water intake:	Average Gallons Per Day
a. City Water Supply	<u>13193</u>
b. Private Wells	<u>n/a</u>
c. _____	<u>n/a</u>
TOTAL	<div>13,193</div>

2. Water Discharge/Loss:	Average Gallons Per Day
a. Municipal Sewer (estimate percentage of flow according to following categories)	<u>12,273</u>
	%
i. cooling	<u>53</u>
ii. process	<u>15</u>
iii. sanitary	<u>24</u>
iv. other	<u>n/a</u>
b. Natural Receiving Waters/Storm Sewer	<u>n/a</u>
c. Waste Hauler	<u>n/a</u>
d. Evaporation	<u>240</u>
e. Contained in Product	<u>680</u>
f. _____	<u>n/a</u>
g. _____	<u>n/a</u>
TOTAL	<div>13,193</div>

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number: None

For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

<u>Outlet No.</u>	<u>Size (in.)</u>	<u>Average Flow (gal/day)</u>	<u>Major Source(s) of Flow</u>	<u>pH Range</u>
1.	8	12,273	Cooling & Sanitary	7.3
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
8.	_____	_____	_____	_____

Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location and a brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and/or flow monitoring can be accomplished.

Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposal of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)

N/A

Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes ☐ No ☒

8. a. Characterize the wastewater for *each* outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for *each* outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage system.

Outlet number (ref. B-4): \_\_\_\_\_

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene	<input type="checkbox"/>	27.	1,4-dichlorobenzene (para)	<input type="checkbox"/>
2.	*acrolein	<input type="checkbox"/>		*dichlorobenzidine	
3.	*acrylonitrile	<input type="checkbox"/>	28.	3,3'-dichlorobenzidine	<input type="checkbox"/>
4.	*benzene	<input type="checkbox"/>		*dichloroethylenes (1,1-dichloroethyl- ene and 1,2-dichloroethylene)	
5.	*benzidine	<input type="checkbox"/>	29.	1,1-dichloroethylene	<input type="checkbox"/>
6.	*carbon tetrachloride (tetrachloromethane)	<input type="checkbox"/>	30.	1,2-trans-dichloroethylene (acetylene dichloride)	<input type="checkbox"/>
	*chlorinated benzenes (other than dichlorobenzenes)		31.	*2,4-dichlorophenol	<input type="checkbox"/>
7.	chlorobenzene	<input type="checkbox"/>		*dichloropropane and dichloropropene	
8.	1,2,4-trichlorobenzene	<input type="checkbox"/>	32.	1,2-dichloropropane (propylene dichloride)	<input type="checkbox"/>
9.	hexachlorobenzene (perchlorobenzene)	<input type="checkbox"/>	33.	1,2-dichloropropylene (1,3- dichloropropene)	<input type="checkbox"/>
	*chlorinated ethanes		34.	*2,4-dimethylphenol (2,4-xyleneol)	<input type="checkbox"/>
10.	1,2-dichloroethane (ethylene chloride)	<input type="checkbox"/>		*dinitrotoluene	
11.	1,1,1-trichloroethane (methyl chloroform)	<input type="checkbox"/>	35.	2,4-dinitrotoluene	<input type="checkbox"/>
12.	hexachloroethane (perchloroethane)	<input type="checkbox"/>	36.	2,6-dinitrotoluene	<input type="checkbox"/>
13.	1,1-dichloroethane (ethylidene chloride)	<input type="checkbox"/>	37.	*1,2-diphenylhydrazine (hydrazobenzene)	<input type="checkbox"/>
14.	1,1,2-trichloroethane (vinyl trichloride)	<input type="checkbox"/>	38.	*ethylbenzene	<input type="checkbox"/>
15.	1,1,2,2-tetrachloroethane (acetylene tetrachloride)	<input type="checkbox"/>	39.	*fluoranthene	<input type="checkbox"/>
16.	chloroethane (ethylchloride)	<input type="checkbox"/>		*haloethers (other than those listed elsewhere)	
	*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)		40.	4-chlorophenyl phenyl ether	<input type="checkbox"/>
17.	bis(chloromethyl) ether	<input type="checkbox"/>	41.	4-bromophenyl phenyl ether	<input type="checkbox"/>
18.	bis(2-chloroethyl) ether	<input type="checkbox"/>	42.	bis(2-chloroisopropyl) ether	<input type="checkbox"/>
19.	2-chloroethyl vinyl ether (mixed)	<input type="checkbox"/>	43.	bis(2-chloroethoxy) methane	<input type="checkbox"/>
	*chlorinated naphthalene			*halomethanes (other than those listed elsewhere)	
20.	2-chloronaphthalene	<input type="checkbox"/>	44.	methylene chloride (dichloromethane)	<input type="checkbox"/>
	*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)		45.	methyl chloride (chloromethane)	<input type="checkbox"/>
21.	2,4,6-trichlorophenol	<input type="checkbox"/>	46.	methyl bromide (bromomethane)	<input type="checkbox"/>
22.	4-chloro-3-methylphenol (parachlorometa cresol)	<input type="checkbox"/>	47.	bromoform (tribromomethane)	<input type="checkbox"/>
23.	*chloroform (trichloromethane)	<input type="checkbox"/>	48.	dichlorobromomethane	<input type="checkbox"/>
24.	*2-chlorophenol (para-chlorophenol)	<input type="checkbox"/>	49.	trichlorofluoromethane (fluorocarbon-11)	<input type="checkbox"/>
	*dichlorobenzenes		50.	dichlorodifluoromethane (fluorocarbon-12)	<input type="checkbox"/>
25.	1,2-dichlorobenzene (ortho)	<input type="checkbox"/>	51.	dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>
26.	1,3-dichlorobenzene (meta)	<input type="checkbox"/>	52.	*hexachlorobutadiene	<input type="checkbox"/>
			53.	*hexachlorocyclopentadiene (perchlorocyclopentadiene)	<input type="checkbox"/>

EM	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
	*isophorone	<input type="checkbox"/>	93.	4,4'-DDE (p,o'-DDX)	<input type="checkbox"/>
	*naphthalene	<input type="checkbox"/>	94.	4,4'-DDD (p,o'-TDE)	<input type="checkbox"/>
	*nitrobenzene	<input type="checkbox"/>		*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)		95.	endosulfan I (a-endosulfan-Alpha)	<input type="checkbox"/>
	2-nitrophenol (para)	<input type="checkbox"/>	96.	endosulfan II (b-endosulfan-Beta)	<input type="checkbox"/>
	4-nitrophenol (ortho)	<input type="checkbox"/>	97.	endosulfan sulfate	<input type="checkbox"/>
	*2,4-dinitrophenol	<input type="checkbox"/>		*endrin and metabolites	
	4,6-dinitro-2-methylphenol	<input type="checkbox"/>	98.	endrin	<input type="checkbox"/>
	(4,6-dinitro-o-cresol)	<input type="checkbox"/>	99.	endrin aldehyde	<input type="checkbox"/>
	*nitrosamines			*heptachlor and metabolites	
	N-nitrosodimethylamine	<input type="checkbox"/>	100.	heptachlor	<input type="checkbox"/>
	N-nitrosodiphenylamine	<input type="checkbox"/>	101.	heptachlor epoxide	<input type="checkbox"/>
	N-nitrosodi-n-propylamine	<input type="checkbox"/>		*hexachlorocyclohexane (all isomers)	
	*pentachlorophenol	<input type="checkbox"/>	102.	a-BHC-Alpha	<input type="checkbox"/>
	*phenol	<input type="checkbox"/>	103.	b-BHC-Beta	<input type="checkbox"/>
	*phthalate esters		104.	r-BHC-Gamma (lindane)	<input type="checkbox"/>
	bis(2-ethylhexyl) phthalate	<input type="checkbox"/>	105.	g-BHC-Delta	<input type="checkbox"/>
	butyl benzyl phthalate	<input type="checkbox"/>		*polychlorinated biphenyls (PCB's)	
	di-n-butyl phthalate	<input type="checkbox"/>	106.	PCB-1242 (Arochlor 1242)	<input type="checkbox"/>
	di-n-octyl phthalate	<input type="checkbox"/>	107.	PCB-1254 (Arochlor 1254)	<input type="checkbox"/>
	diethyl phthalate	<input type="checkbox"/>	108.	PCB-1221 (Arochlor 1221)	<input type="checkbox"/>
	dimethyl phthalate	<input type="checkbox"/>	109.	PCB-1232 (Arochlor 1232)	<input type="checkbox"/>
	*polynuclear aromatic hydrocarbons		110.	PCB-1248 (Arochlor 1248)	<input type="checkbox"/>
	benzo(a)anthracene (1,2-benzanthracene)	<input type="checkbox"/>	111.	PCB-1260 (Arochlor 1260)	<input type="checkbox"/>
	benzo(a)pyrene (3,4-benzopyrene)	<input type="checkbox"/>	112.	PCB-1016 (Arochlor 1016)	<input type="checkbox"/>
	3,4-benzofluoranthene	<input type="checkbox"/>	113.	*toxaphene	<input type="checkbox"/>
	benzo(k)fluoranthene (11,12- benzofluoranthene)	<input type="checkbox"/>	114.	*antimony (total)	<input type="checkbox"/>
	chrysene (1,2-benzphenanthrene)	<input type="checkbox"/>	115.	*arsenic (total)	<input type="checkbox"/>
	acenaphthylene	<input type="checkbox"/>	116.	*asbestos (fibrous)	<input type="checkbox"/>
	anthracene	<input type="checkbox"/>	117.	*beryllium (total)	<input type="checkbox"/>
	benzo(ghi)perylene (1,12-benzoperylene)	<input type="checkbox"/>	118.	*cadmium (total)	<input type="checkbox"/>
	fluorene ([alpha] - diphenylene methane)	<input type="checkbox"/>	119.	*chromium (hexavalent)	<input type="checkbox"/>
	phenanthrene	<input type="checkbox"/>	120.	*copper (total)	<input type="checkbox"/>
	dibenzo(a,h)anthracene (1,2,5,6- dibenzanthracene)	<input type="checkbox"/>	121.	*cyanide (total)	<input type="checkbox"/>
	indeno (1,2,3-cd)pyrene (2,3-o- phenylenepyrene)	<input type="checkbox"/>	122.	*lead (total)	<input type="checkbox"/>
	pyrene	<input type="checkbox"/>	123.	*mercury (total)	<input type="checkbox"/>
	*tetrachloroethylene (perchloroethylene)	<input type="checkbox"/>	124.	*nickel (total)	<input type="checkbox"/>
	*toluene (methylbenzene or toluol)	<input type="checkbox"/>	125.	*selenium (total)	<input type="checkbox"/>
	*trichloroethylene	<input type="checkbox"/>	126.	*silver (total)	<input type="checkbox"/>
	*vinyl chloride (chloroethylene)	<input type="checkbox"/>	127.	*thallium (total)	<input type="checkbox"/>
	pesticides and metabolites		128.	*zinc (total)	<input type="checkbox"/>
3.	*aldrin	<input type="checkbox"/>	129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<input type="checkbox"/>
0.	*dieldrin	<input type="checkbox"/>			
1.	*chlordane (technical mixture & metabolites)	<input type="checkbox"/>		*Specific compounds and chemical classes as listed in the 1976 EPA consent decree.	
	*DDT and metabolites			** This compound was specifically listed in the consent degree. Because of the extreme toxicity (TCDD), EPA recommends that laboratories <i>not</i> acquire analytical standard for this compound.	
2.	4,4'-DDT	<input type="checkbox"/>			



**City of Indianapolis**  
**Industrial Wastewater Pretreatment Questionnaire**  
**(One Questionnaire Required Per Facility)**

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
<u>3/29/82</u> <small>Date Received</small>	<u>CPD</u> <small>Reviewer's Initials</small>	<u>4-30-82</u> <small>Date Reviewed</small>

**Section A – General Information**

1. Company Name: Crown Chemical Co., Inc.
2. Street Address: 515 S. Harmon Street  
Indianapolis, IN zip: 46225
3. Mailing Address: P.O. Box 2225  
Indianapolis, IN zip: 46206
4. Briefly describe the manufacturing or service activity at this facility. Blending and mixing of corrosion inhibitors for the metalworking industry. Also, drying iron sulfate for fertilizer and water treatment plants.
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
<u>2819</u>	<u>Corrosion Inhibitors</u>	<u>Mixing wetting agents and amines.</u>
<u>2897</u>	<u>Iron Sulfate</u>	<u>Drying (fluid bed)</u>
	<u>Metal &amp; Boiler Cleaners</u>	<u>Mixing acid base chemicals</u>

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: Joseph C. Peterson Title: President  
 Print or Type Name: Joseph C. Peterson Date: 3-29-82  
 Contact Person: Joseph C. Peterson Telephone No.: 317-637-1216

Total number of employees: 8

Operating Schedule: Hrs/Day 8 Days/Week 5 Days/Yr 255

Scheduled Shutdown Period(s): Christmas Week

Are processes subject to seasonal variation? Yes ☐ No ☒

If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

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Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:

Clean-up only! Washing floors and equipment once a week.

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Section B - Wastewater Information

1. Water intake:

Average Gallons Per Day

a. City Water Supply

1,000

b. Private Wells

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c. \_\_\_\_\_

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TOTAL

1,000

2. Water Discharge/Loss:

Average Gallons Per Day

a. Municipal Sewer

(estimate percentage of flow according  
to following categories)

%

i. cooling

10-15

ii. process

5

iii. sanitary

10

iv. other

-----

b. Natural Receiving Waters/Storm Sewer

-----

c. Waste Hauler

-----

d. Evaporation

-----

e. Contained in Product

700

f. \_\_\_\_\_

-----

g. \_\_\_\_\_

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TOTAL

1,000

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number: \_\_\_\_\_

For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

Outlet No.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
1.	3"	50	Floor Wash	7-8
2.	3"	200	Floor Wash & Equipment & Cooling	7-8
3.				
4.				
5.				
6.				
7.				
8.				

Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location and a brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and/or flow monitoring can be accomplished.

Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposal of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)

None, unless low pH is spilled. Then normal neutralization with sodium carbonate is required.

Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes ☒ No ☐

8. 3. Characterize the wastewater for *each* outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for *each* outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage system.

Outlet number (ref. B-4): 2

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene	<input type="checkbox"/>	27.	1,4-dichlorobenzene (para)	<input type="checkbox"/>
2.	*acrolein	<input type="checkbox"/>		*dichlorobenzidine	<input type="checkbox"/>
3.	*acrylonitrile	<input type="checkbox"/>	28.	3,3'-dichlorobenzidine	<input type="checkbox"/>
4.	*benzene	<input type="checkbox"/>		*dichloroethylenes (1,1-dichloroethyl- ene and 1,2-dichloroethylene)	<input type="checkbox"/>
5.	*benzidine	<input type="checkbox"/>	29.	1,1-dichloroethylene	<input type="checkbox"/>
6.	*carbon tetrachloride (tetrachloromethane)	<input type="checkbox"/>	30.	1,2-trans-dichloroethylene (acetylene dichloride)	<input type="checkbox"/>
	*chlorinated benzenes (other than dichlorobenzenes)	<input type="checkbox"/>	31.	*2,4-dichlorophenol	<input type="checkbox"/>
7.	chlorobenzene	<input type="checkbox"/>		*dichloropropane and dichloropropene	<input type="checkbox"/>
8.	1,2,4-trichlorobenzene	<input type="checkbox"/>	32.	1,2-dichloropropane (propylene dichloride)	<input type="checkbox"/>
9.	hexachlorobenzene (perchlorobenzene)	<input type="checkbox"/>	33.	1,2-dichloropropylene (1,3- dichloropropene)	<input type="checkbox"/>
	*chlorinated ethanes	<input type="checkbox"/>	34.	*2,4-dimethylphenol (2,4-xylene)	<input type="checkbox"/>
10.	1,2-dichloroethane (ethylene chloride)	<input type="checkbox"/>		*dinitrotoluene	<input type="checkbox"/>
11.	1,1,1-trichloroethane (methyl chloroform)	<input type="checkbox"/>	35.	2,4-dinitrotoluene	<input type="checkbox"/>
12.	hexachloroethane (perchloroethane)	<input type="checkbox"/>	36.	2,6-dinitrotoluene	<input type="checkbox"/>
13.	1,1-dichloroethane (ethylidene chloride)	<input type="checkbox"/>	37.	*1,2-diphenylhydrazine (hydrazobenzene)	<input type="checkbox"/>
14.	1,1,2-trichloroethane (vinyl trichloride)	<input type="checkbox"/>	38.	*ethylbenzene	<input type="checkbox"/>
15.	1,1,2,2-tetrachloroethane (acetylene tetrachloride)	<input type="checkbox"/>	39.	*fluoranthene	<input type="checkbox"/>
16.	chloroethane (ethylchloride)	<input type="checkbox"/>		*haloethers (other than those listed elsewhere)	<input type="checkbox"/>
	*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)	<input type="checkbox"/>	40.	4-chlorophenyl phenyl ether	<input type="checkbox"/>
17.	bis(chloromethyl) ether	<input type="checkbox"/>	41.	4-bromophenyl phenyl ether	<input type="checkbox"/>
18.	bis(2-chloroethyl) ether	<input type="checkbox"/>	42.	bis(2-chloroisopropyl) ether	<input type="checkbox"/>
19.	2-chloroethyl vinyl ether (mixed)	<input type="checkbox"/>	43.	bis(2-chloroethoxy) methane	<input type="checkbox"/>
	*chlorinated naphthalene	<input type="checkbox"/>		*halomethanes (other than those listed elsewhere)	<input type="checkbox"/>
20.	2-chloronaphthalene	<input type="checkbox"/>	44.	methylene chloride (dichloromethane)	<input type="checkbox"/>
	*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)	<input type="checkbox"/>	45.	methyl chloride (chloromethane)	<input type="checkbox"/>
21.	2,4,6-trichlorophenol	<input type="checkbox"/>	46.	methyl bromide (bromomethane)	<input type="checkbox"/>
22.	4-chloro-3-methylphenol (parachlorometa cresol)	<input type="checkbox"/>	47.	bromoform (tribromomethane)	<input type="checkbox"/>
23.	*chloroform (trichloromethane)	<input type="checkbox"/>	48.	dichlorobromomethane	<input type="checkbox"/>
24.	*2-chlorophenol (para-chlorophenol)	<input type="checkbox"/>	49.	trichlorofluoromethane (fluorocarbon-11)	<input type="checkbox"/>
	*dichlorobenzenes	<input type="checkbox"/>	50.	dichlorodifluoromethane (fluorocarbon-12)	<input type="checkbox"/>
25.	1,2-dichlorobenzene (ortho)	<input type="checkbox"/>	51.	dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>
26.	1,3-dichlorobenzene (meta)	<input type="checkbox"/>	52.	*hexachlorobutadiene	<input type="checkbox"/>
			53.	*hexachlorocyclopentadiene (perchlorocyclopentadiene)	<input type="checkbox"/>

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
54.	*isophorone	<input type="checkbox"/>	93.	4,4'-DDE (p,o'-DDX)	<input type="checkbox"/>
55.	*naphthalene	<input type="checkbox"/>	94.	4,4'-DDD (p,o'-TDE)	<input type="checkbox"/>
56.	*nitrobenzene	<input type="checkbox"/>		*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)		95.	endosulfan I (a-endosulfan-Alpha)	<input type="checkbox"/>
57.	2-nitrophenol (para)	<input type="checkbox"/>	96.	endosulfan II (b-endosulfan-Beta)	<input type="checkbox"/>
58.	4-nitrophenol (ortho)	<input type="checkbox"/>	97.	endosulfan sulfate	<input type="checkbox"/>
59.	*2,4-dinitrophenol	<input type="checkbox"/>		*endrin and metabolites	
60.	4,6-dinitro-2-methylphenol (4,6-dinitro-o-cresol)	<input type="checkbox"/>	98.	endrin	<input type="checkbox"/>
	*nitrosamines		99.	endrin aldehyde	<input type="checkbox"/>
61.	N-nitrosodimethylamine	<input type="checkbox"/>		*heptachlor and metabolites	
62.	N-nitrosodiphenylamine	<input type="checkbox"/>	100.	heptachlor	<input type="checkbox"/>
63.	N-nitrosodi-n-propylamine	<input type="checkbox"/>	101.	heptachlor epoxide	<input type="checkbox"/>
64.	*pentachlorophenol	<input type="checkbox"/>		*hexachlorocyclohexane (all isomers)	
65.	*phenol	<input type="checkbox"/>	102.	a-BHC-Alpha	<input type="checkbox"/>
	*phthalate esters		103.	b-BHC-Beta	<input type="checkbox"/>
66.	bis(2-ethylhexyl) phthalate	<input type="checkbox"/>	104.	r-BHC-Gamma (lindane)	<input type="checkbox"/>
67.	butyl benzyl phthalate	<input type="checkbox"/>	105.	g-BHC-Delta	<input type="checkbox"/>
68.	di-n-butyl phthalate	<input type="checkbox"/>		*polychlorinated biphenyls (PCB's)	
69.	di-n-octyl phthalate	<input type="checkbox"/>	106.	PCB-1242 (Arochlor 1242)	<input type="checkbox"/>
70.	diethyl phthalate	<input type="checkbox"/>	107.	PCB-1254 (Arochlor 1254)	<input type="checkbox"/>
71.	dimethyl phthalate	<input type="checkbox"/>	108.	PCB-1221 (Arochlor 1221)	<input type="checkbox"/>
	*polynuclear aromatic hydrocarbons		109.	PCB-1232 (Arochlor 1232)	<input type="checkbox"/>
72.	benzo(a)anthracene (1,2-benzanthracene)	<input type="checkbox"/>	110.	PCB-1248 (Arochlor 1248)	<input type="checkbox"/>
73.	benzo(a)pyrene (3,4-benzopyrene)	<input type="checkbox"/>	111.	PCB-1260 (Arochlor 1260)	<input type="checkbox"/>
74.	3,4-benzofluoranthene	<input type="checkbox"/>	112.	PCB-1016 (Arochlor 1016)	<input type="checkbox"/>
75.	benzo(k)fluoranthene (11,12-benzofluoranthene)	<input type="checkbox"/>	113.	*toxaphene	<input type="checkbox"/>
76.	chrysene (1,2-benzphenanthrene)	<input type="checkbox"/>	114.	*antimony (total)	<input type="checkbox"/>
77.	acenaphthylene	<input type="checkbox"/>	115.	*arsenic (total)	<input type="checkbox"/>
78.	anthracene	<input type="checkbox"/>	116.	*asbestos (fibrous)	<input type="checkbox"/>
79.	benzo(ghi)perylene (1,12-benzoperylene)	<input type="checkbox"/>	117.	*beryllium (total)	<input type="checkbox"/>
80.	fluorene ([alpha] - diphenylene methane)	<input type="checkbox"/>	118.	*cadmium (total)	<input type="checkbox"/>
81.	phenanthrene	<input type="checkbox"/>	119.	*chromium (hexavalent)	<input type="checkbox"/>
82.	dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)	<input type="checkbox"/>	120.	*copper (total)	<input type="checkbox"/>
83.	indeno (1,2,3-cd)pyrene (2,3-o-phenylenepyrene)	<input type="checkbox"/>	121.	*cyanide (total)	<input type="checkbox"/>
84.	pyrene	<input type="checkbox"/>	122.	*lead (total)	<input type="checkbox"/>
85.	*tetrachloroethylene (perchloroethylene)	<input type="checkbox"/>	123.	*mercury (total)	<input type="checkbox"/>
86.	*toluene (methylbenzene or toluol)	<input type="checkbox"/>	124.	*nickel (total)	<input type="checkbox"/>
87.	*trichloroethylene	<input type="checkbox"/>	125.	*selenium (total)	<input type="checkbox"/>
88.	*vinyl chloride (chloroethylene)	<input type="checkbox"/>	126.	*silver (total)	<input type="checkbox"/>
	pesticides and metabolites		127.	*thallium (total)	<input type="checkbox"/>
89.	*aldrin	<input type="checkbox"/>	128.	*zinc (total)	<input type="checkbox"/>
90.	*dieldrin	<input type="checkbox"/>	129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<input type="checkbox"/>
91.	*chlordane (technical mixture & metabolites)	<input type="checkbox"/>		* Specific compounds and chemical classes as listed in the 1976 EPA consent decree.	
	*DDT and metabolites			* This compound was specifically listed in the consent decree. Because of the extreme toxicity (TCDD), EPA recommends that laboratories <i>not</i> acquire analytical standard for this compound.	
92.	4,4'-DDT	<input type="checkbox"/>			

- b. List in the "Chemical Compound" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate *either* the pounds discharged per year or the average concentration in milligrams per liter (mg/l) of the material in the waste stream.

N/A
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[illegible]

City of Indianapolis  
Industrial Wastewater Pretreatment Questionnaire  
(One Questionnaire Required Per Facility)

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
2/27/82 Date Received	PAUD Reviewer's Initials	3/8/82 Date Reviewed

Section A - General Information

1. Company Name: INDIANA OXYGEN COMPANY
2. Street Address: 435 S. DELAWARE STREET,  
INDIANAPOLIS, INDIANA. zip: 46225
3. Mailing Address: P. O. BOX # 1304  
INDIANAPOLIS, INDIANA. zip: 46206
4. Briefly describe the manufacturing or service activity at this facility. FILLING COMMERCIAL GAS CYLINDERS
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
5161	OXYGEN	CONVERTING LIQUID TO GAS
2813	NITROGEN	" " "
	CARBON-DIOXIDE	" " "

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

☒

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: \_\_\_\_\_ Title: SECY.-TREAS.  
Print or Type Name: R. P. BRANT Date: 2/26/82  
Contact Person: R. P. BRANT Telephone No.: 632-4525

Total number of employees: \_\_\_\_\_

Operating Schedule: Hrs/Day \_\_\_\_\_ Days/Week \_\_\_\_\_ Days/Yr \_\_\_\_\_

Scheduled Shutdown Period(s): \_\_\_\_\_

Are processes subject to seasonal variation? Yes ☐ No ☐

If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

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Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:

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## INDUSTRIAL SURVEILLANCE QUESTIONNAIRE CHECKLIST

- Step 1. Review survey questionnaire and fill out checklist.
- Step 2. Attach checklist to survey questionnaire.
- Step 3. File information in appropriate folder:
- a. "Adequate Information"
  - b. "Requires Further Information"

### SECTION A: GENERAL INFORMATION

- |  | Yes                                 | No                       |
|--|-------------------------------------|--------------------------|
| 1. Are items 1-5 complete?                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Have SIC codes been assigned?                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Is the form signed and dated?                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Are items 6-8 complete?                             | <input type="checkbox"/>            | <input type="checkbox"/> |
| 5. Is adequate detail provided for questions 9 and 10? | <input type="checkbox"/>            | <input type="checkbox"/> |
| 6. List items missing or inadequately completed.       |                                     |                          |
| _____  |                                     |                          |
| _____  |                                     |                          |
| _____  |                                     |                          |

### SECTION B: WASTEWATER INFORMATION

- |  | Yes                      | No                       |
|--|--------------------------|--------------------------|
| 1. Are items 1 and 2 complete?                                   | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Are items 3-7 complete?                                       | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Is an adequate drawing provided for item 5?                   | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. For a facility with process wastewater, is item 8a completed? | <input type="checkbox"/> | <input type="checkbox"/> |
| Item 8b?   | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. List items missing or inadequately completed.                 |                          |                          |
| _____  |                          |                          |
| _____  |                          |                          |
| _____  |                          |                          |

**City of Indianapolis**  
**Industrial Wastewater Pretreatment Questionnaire**  
**(One Questionnaire Required Per Facility)**

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
3/18/82 Date Received	PMD Reviewer's Initials	4/13/82 Date Reviewed

**Section A – General Information**

1. Company Name: MID-STATE CHEMICAL & SUPPLY CORP.
2. Street Address: 2100 GREENBRIER LANE  
INDIANAPOLIS, INDIANA zip: 46218
3. Mailing Address: P. O. BOX 18227  
INDIANAPOLIS, INDIANA zip: 46218
4. Briefly describe the manufacturing or service activity at this facility. DISTRIBUTOR FOR SUN SWIMMING  
POOL CHEMICALS, BASIC CHEMICAL DISTRIBUTOR, COMPOUNDER OF SPECIALTY CHEMICALS
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
2819	DISTRIBUTOR OF SUN SWIMMING POOL CHEMICALS	NO MANUFACTURING PROCESS
	DISTRIBUTOR OF BASIC CHEMICALS	NO MANUFACTURING PROCESS
	SPECIALTY CHEMICAL COMPOUNDER	MIXING AND PACKAGING

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

☐

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: *James M. Roberts* Title: TREASURER

Print or Type Name: JAMES M. ROBERTS Date: 3-18-82

Contact Person: JAMES M. ROBERTS Telephone No.: (317) 925-1407

Total number of employees: 30

Operating Schedule: Hrs/Day 10 Days/Week 5 Days/Yr 250

Scheduled Shutdown Period(s): NONE

Are processes subject to seasonal variation? Yes ☐ No ☒

If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

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Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:

ECONOMIC CONDITIONS ONLY

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Average Gallons Per Day

1625

a. City Water Supply

### b. Private Wells

C. \_\_\_\_\_

TOTAL

1625

2. Water Discharge/Loss:

Average Gallons Per Day

a. Municipal Sewer

1100

(estimate percentage of flow according to following categories)

%

i. cooling

- ii. process

5%

iii. sanitary

82%

iv. other -- BOILER

13%

b. Natural Receiving Waters/Storm Sewer

**c. Waste Hauler**

#### d. Evaporation

e. Contained in Product

525

**f.** 

9. \_\_\_\_\_

TOTAL

1625

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number: \_\_\_\_\_

For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

<u>Outlet</u> <u>No.</u>	<u>Size</u> <u>(in.)</u>	<u>Average Flow</u> <u>(gal/day)</u>	<u>Major Source(s) of Flow</u>	<u>pH</u> <u>Range</u>
1.	6"	55	MIXING TANK WASHOUTS	6 - 8
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
8.	_____	_____	_____	_____

Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location and a brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and/or flow monitoring can be accomplished.

Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposal of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)

NEUTRALIZATION OF ACID AND ALKALINE RESIDUES IN MIXERS BEFORE DISCHARGE INTO THE  
SEWER.

Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes ☒ No ☐

8. a. Characterize the wastewater for *each* outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for *each* outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage system.

Outlet number (ref. B-4): \_\_\_\_\_

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene	<input type="checkbox"/>	27.	1,4-dichlorobenzene (para)	<input type="checkbox"/>
2.	*acrolein	<input type="checkbox"/>		*dichlorobenzidine	<input type="checkbox"/>
3.	*acrylonitrile	<input type="checkbox"/>	28.	3,3'-dichlorobenzidine	<input type="checkbox"/>
4.	*benzene	<input type="checkbox"/>		*dichloroethylenes (1,1-dichloroethyl- ene and 1,2-dichloroethylene)	<input type="checkbox"/>
5.	*benzidine	<input type="checkbox"/>	29.	1,1-dichloroethylene	<input type="checkbox"/>
6.	*carbon tetrachloride (tetrachloromethane)	<input type="checkbox"/>	30.	1,2-trans-dichloroethylene (acetylene dichloride)	<input type="checkbox"/>
	*chlorinated benzenes (other than dichlorobenzenes)	<input type="checkbox"/>	31.	*2,4-dichlorophenol	<input type="checkbox"/>
7.	chlorobenzene	<input type="checkbox"/>		*dichloropropane and dichloropropene	<input type="checkbox"/>
8.	1,2,4-trichlorobenzene	<input type="checkbox"/>	32.	1,2-dichloropropane (propylene dichloride)	<input type="checkbox"/>
9.	hexachlorobenzene (perchlorobenzene)	<input type="checkbox"/>	33.	1,2-dichloropropylene (1,3- dichloropropene)	<input type="checkbox"/>
	*chlorinated ethanes	<input type="checkbox"/>	34.	*2,4-dimethylphenol (2,4-xenol)	<input type="checkbox"/>
10.	1,2-dichloroethane (ethylene chloride)	<input type="checkbox"/>		*dinitrotoluene	<input type="checkbox"/>
11.	1,1,1-trichloroethane (methyl chloroform)	<input type="checkbox"/>	35.	2,4-dinitrotoluene	<input type="checkbox"/>
12.	hexachloroethane (perchloroethane)	<input type="checkbox"/>	36.	2,6-dinitrotoluene	<input type="checkbox"/>
13.	1,1-dichloroethane (ethylidene chloride)	<input type="checkbox"/>	37.	*1,2-diphenylhydrazine (hydrazobenzene)	<input type="checkbox"/>
14.	1,1,2-trichloroethane (vinyl trichloride)	<input type="checkbox"/>	38.	*ethylbenzene	<input type="checkbox"/>
15.	1,1,2,2-tetrachloroethane (acetylene tetrachloride)	<input type="checkbox"/>	39.	*fluoranthene	<input type="checkbox"/>
16.	chloroethane (ethylchloride)	<input type="checkbox"/>		*haloethers (other than those listed elsewhere)	<input type="checkbox"/>
	*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)	<input type="checkbox"/>	40.	4-chlorophenyl phenyl ether	<input type="checkbox"/>
17.	bis(chloromethyl) ether	<input type="checkbox"/>	41.	4-bromophenyl phenyl ether	<input type="checkbox"/>
18.	bis(2-chloroethyl) ether	<input type="checkbox"/>	42.	bis(2-chloroisopropyl) ether	<input type="checkbox"/>
19.	2-chloroethyl vinyl ether (mixed)	<input type="checkbox"/>	43.	bis(2-chloroethoxy) methane	<input type="checkbox"/>
	*chlorinated naphthalene	<input type="checkbox"/>		*halomethanes (other than those listed elsewhere)	<input type="checkbox"/>
20.	2-chloronaphthalene	<input type="checkbox"/>	44.	methylene chloride (dichloromethane)	<input type="checkbox"/>
	*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)	<input type="checkbox"/>	45.	methyl chloride (chloromethane)	<input type="checkbox"/>
21.	2,4,6-trichlorophenol	<input type="checkbox"/>	46.	methyl bromide (bromomethane)	<input type="checkbox"/>
22.	4-chloro-3-methylphene (parachlorometa cresol)	<input type="checkbox"/>	47.	bromoform (tribromomethane)	<input type="checkbox"/>
23.	*chloroform (trichloromethane)	<input type="checkbox"/>	48.	dichlorobromomethane	<input type="checkbox"/>
24.	*2-chlorophenol (para-chlorophenol)	<input type="checkbox"/>	49.	trichlorofluoromethane (fluorocarbon-11)	<input type="checkbox"/>
	*dichlorobenzenes	<input type="checkbox"/>	50.	dichlorodifluoromethane (fluorocarbon-12)	<input type="checkbox"/>
25.	1,2-dichlorobenzene (ortho)	<input type="checkbox"/>	51.	dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>
26.	1,3-dichlorobenzene (meta)	<input type="checkbox"/>	52.	*hexachlorobutadiene	<input type="checkbox"/>
			53.	*hexachlorocyclopentadiene (perchlorocyclopentadiene)	<input type="checkbox"/>

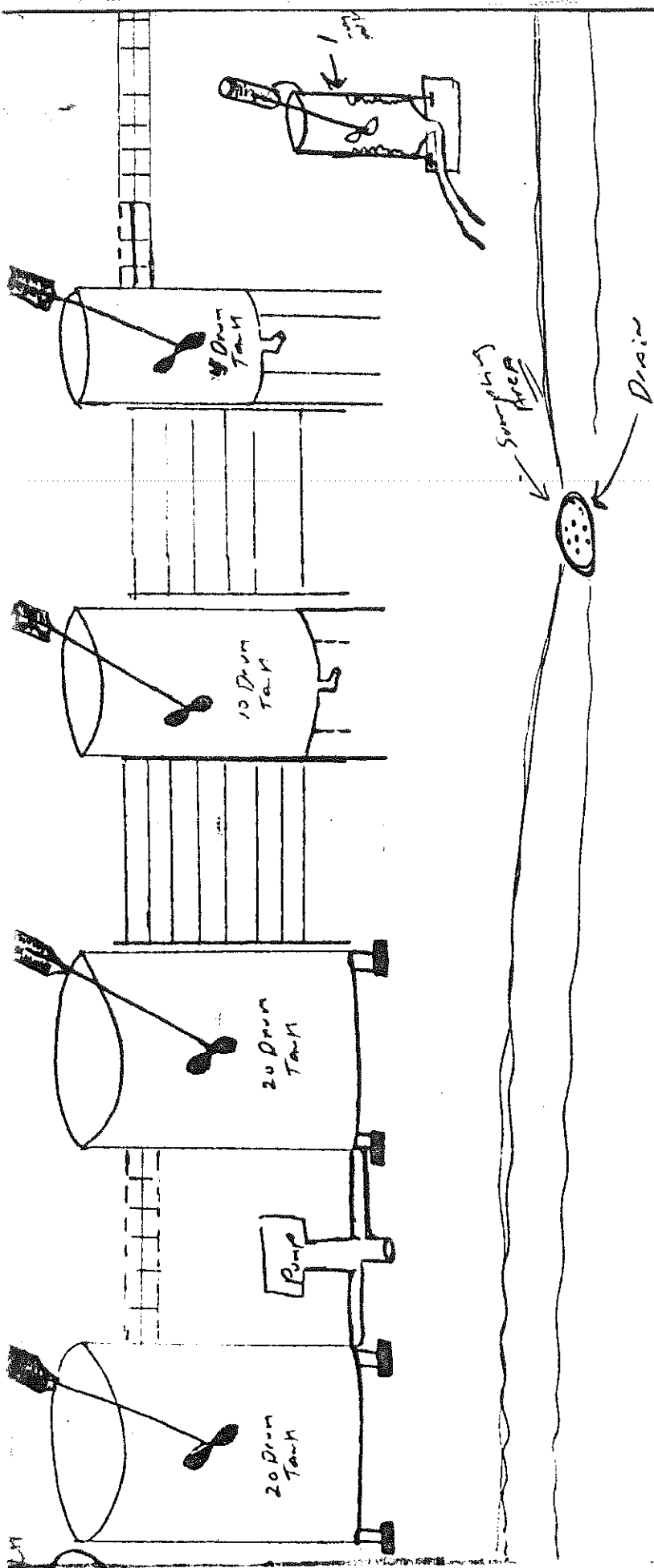
ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
54.	*isophorone	<input type="checkbox"/>	93.	4,4'-DDE (p,o'-DDX)	<input type="checkbox"/>
55.	*naphthalene	<input type="checkbox"/>	94.	4,4'-DDD (p,o'-TDE)	<input type="checkbox"/>
56.	*nitrobenzene	<input type="checkbox"/>		*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)		95.	endosulfan I (a-endosulfan-Alpha)	<input type="checkbox"/>
57.	2-nitrophenol (para)	<input type="checkbox"/>	96.	endosulfan II (b-endosulfan-Beta)	<input type="checkbox"/>
58.	4-nitrophenol (ortho)	<input type="checkbox"/>	97.	endosulfan sulfate	<input type="checkbox"/>
59.	*2,4-dinitrophenol	<input type="checkbox"/>		*endrin and metabolites	
60.	4,6-dinitro-2-methylphenol (4,6-dinitro-o-cresol)	<input type="checkbox"/>	98.	endrin	<input type="checkbox"/>
	*nitrosamines		99.	endrin aldehyde	<input type="checkbox"/>
61.	N-nitrosodimethylamine	<input type="checkbox"/>		*heptachlor and metabolites	
62.	N-nitrosodiphenylamine	<input type="checkbox"/>	100.	heptachlor	<input type="checkbox"/>
63.	N-nitrosodi-n-propylamine	<input type="checkbox"/>	101.	heptachlor epoxide	<input type="checkbox"/>
64.	*pentachlorophenol	<input type="checkbox"/>		*hexachlorocyclohexane (all isomers)	
65.	*phenol	<input type="checkbox"/>	102.	a-BHC-Alpha	<input type="checkbox"/>
	*phthalate esters		103.	b-BHC-Beta	<input type="checkbox"/>
66.	bis(2-ethylhexyl) phthalate	<input type="checkbox"/>	104.	r-BHC-Gamma (lindane)	<input type="checkbox"/>
67.	butyl benzyl phthalate	<input type="checkbox"/>	105.	g-BHC-Delta	<input type="checkbox"/>
68.	di-n-butyl phthalate	<input type="checkbox"/>		*polychlorinated biphenyls (PCB's)	
69.	di-n-octyl phthalate	<input type="checkbox"/>	106.	PCB-1242 (Arochlor 1242)	<input type="checkbox"/>
70.	diethyl phthalate	<input type="checkbox"/>	107.	PCB-1254 (Arochlor 1254)	<input type="checkbox"/>
71.	dimethyl phthalate	<input type="checkbox"/>	108.	PCB-1221 (Arochlor 1221)	<input type="checkbox"/>
	*polynuclear aromatic hydrocarbons		109.	PCB-1232 (Arochlor 1232)	<input type="checkbox"/>
72.	benzo(a)anthracene (1,2-benzanthracene)	<input type="checkbox"/>	110.	PCB-1248 (Arochlor 1248)	<input type="checkbox"/>
73.	benzo(a)pyrene (3,4-benzopyrene)	<input type="checkbox"/>	111.	PCB-1260 (Arochlor 1260)	<input type="checkbox"/>
74.	3,4-benzofluoranthene	<input type="checkbox"/>	112.	PCB-1016 (Arochlor 1016)	<input type="checkbox"/>
75.	benzo(k)fluoranthene (11,12-benzofluoranthene)	<input type="checkbox"/>	113.	*toxaphene	<input type="checkbox"/>
76.	chrysene (1,2-benzphenanthrene)	<input type="checkbox"/>	114.	*antimony (total)	<input type="checkbox"/>
77.	acenaphthylene	<input type="checkbox"/>	115.	*arsenic (total)	<input type="checkbox"/>
78.	anthracene	<input type="checkbox"/>	116.	*asbestos (fibrous)	<input type="checkbox"/>
79.	benzo(ghi)perylene (1,12-benzoperylene)	<input type="checkbox"/>	117.	*beryllium (total)	<input type="checkbox"/>
80.	fluorene ([alpha] - diphenylene methane)	<input type="checkbox"/>	118.	*cadmium (total)	<input type="checkbox"/>
81.	phenanthrene	<input type="checkbox"/>	119.	*chromium (hexavalent)	<input type="checkbox"/>
82.	dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)	<input type="checkbox"/>	120.	*copper (total)	<input type="checkbox"/>
83.	indeno (1,2,3-cd)pyrene (2,3-o-phenylenepyrene)	<input type="checkbox"/>	121.	*cyanide (total)	<input type="checkbox"/>
84.	pyrene	<input type="checkbox"/>	122.	*lead (total)	<input type="checkbox"/>
85.	*tetrachloroethylene (perchloroethylene)	<input type="checkbox"/>	123.	*mercury (total)	<input type="checkbox"/>
86.	*toluene (methylbenzene or toluol)	<input type="checkbox"/>	124.	*nickel (total)	<input type="checkbox"/>
87.	*trichloroethylene	<input type="checkbox"/>	125.	*selenium (total)	<input type="checkbox"/>
88.	*vinyl chloride (chloroethylene) pesticides and metabolites	<input type="checkbox"/>	126.	*silver (total)	<input type="checkbox"/>
89.	*aldrin	<input type="checkbox"/>	127.	*thallium (total)	<input type="checkbox"/>
90.	*dieldrin	<input type="checkbox"/>	128.	*zinc (total)	<input type="checkbox"/>
91.	*chlordane (technical mixture & metabolites)	<input type="checkbox"/>	129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<input type="checkbox"/>
	*DDT and metabolites				
92.	4,4'-DDT	<input type="checkbox"/>			

\*Specific compounds and chemical classes as listed in the 1976 EPA consent decree.

\*\*This compound was specifically listed in the consent decree. Because of the extreme toxicity (TCDD), IEPA recommends that laboratories *not* acquire analytical standard for this compound.

8. -b. List in the "Chemical Compound" column all materials identified in part a of this question as "believed present" plus any other materials in your waste stream that may be harmful to the municipal sewerage system. For all of these materials and the pollutants already listed below, estimate *either* the pounds discharged per year or the average concentration in milligrams per liter (mg/l) of the material in the waste stream.

[illegible]



Mid-State Chemical & Supply  
Mixing Tank Diagram

**City of Indianapolis**  
**Industrial Wastewater Pretreatment Questionnaire**  
**(One Questionnaire Required Per Facility)**

For DPW use only		
Account No.:		
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>		
7/5/82 Date Received	[Signature] Reviewer's Initials	5/3/82 Date Reviewed

**Section A — General Information**

1. Company Name: Citizens Gas and Coke Utility
2. Street Address: 2950 Prospect Street  
Indianapolis, IN zip: 46203
3. Mailing Address: Same 2026 N MERIDIAN ST  
INDIANAPOLIS IN zip: 46202
4. Briefly describe the manufacturing or service activity at this facility. Destructive distillation of coal  
in slot-type by-product recovery coke ovens. Products include coke oven  
gas and metallurgical coke.
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only	Product	Process
4925		PY PRODUCT 1 - 2 - 3 - 4 - 5
3312		" " " " "

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: R Wade Korchmann Title: Environmental Engineer  
 Print or Type Name: R Wade Korchmann Date: 7/7/82  
 Contact Person: " " " Telephone No.: 927-4341

- If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

- AMOUNT OF PROCESSING TIME REQUIRED VARIES WITH PRODUCTION. IF THE ECONOMY IS SLOW, WE WILL REDUCE CORE PRODUCTION BY INCREASING OUR LEAD TIME.

## Section B — Wastewater Information

1. Water intake:	Average Gallons Per Day
a. City Water Supply	<u>672,000</u> 1981
b. Private Wells	<u>62,000</u>
c. <u>WATER IN COAL CHARGE</u>	<u>223,000 gal/day</u>
TOTAL	<div style="border: 1px solid black; padding: 2px; display: inline-block;">767,000</div>

2. Water Discharge/Loss:	Average Gallons Per Day
a. Municipal Sewer (estimate percentage of flow according to following categories)	<u>30%</u>
	%
i. cooling	<u>2%</u>
ii. process	<u>96%</u>
iii. sanitary	<u>2%</u>
iv. other	<u>-</u>
b. Natural Receiving Waters/Storm Sewer	<u>0</u>
c. Waste Hauler	<u>0</u>
d. Evaporation	<u>245,400</u>
e. Contained in Product	<u>14,200</u>
f. <u>SABM 100</u>	<u>119,000</u>
g. _____	_____
TOTAL	<div style="border: 1px solid black; padding: 2px; display: inline-block;">767,500</div>

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number: NO

4. For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

Outlet No.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
1.	18" CONCRETE	302330	PROCESS WATER	5.0 - 8.0
2.	6" VIT TILE	1170	LAB WASTE	
3.	6" " "		#1 BUILDING SANITARY	
4.	10" " "		LOBBY BUILDING SANITARY	
5.	6" " "		SE OFFICE " "	
6.				
7.				
8.				

\* SANITARY REPORTED AS PORTION OF TOTAL WATER USED - INDIVIDUAL SANITARY FLOWS UNKNOWN

5. Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location and a brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and/or flow monitoring can be accomplished.
6. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposal of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)

Settling basin with weir for oil skimming. ACTIVATED SLUDGE BIOLOGICAL TREATMENT

PUMP

7. Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes ☒ No ☐

8. a. Characterize the wastewater for *each* outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for *each* outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage system.

Outlet number (ref. B-4): 1

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene	<input type="checkbox"/>	27.	1,4-dichlorobenzene (para)	<input type="checkbox"/>
2.	*acrolein	<input type="checkbox"/>		*dichlorobenzidine	<input type="checkbox"/>
3.	*acrylonitrile	<input type="checkbox"/>	28.	3,3'-dichlorobenzidine	<input type="checkbox"/>
4.	*benzene	<input checked="" type="checkbox"/>		*dichloroethylenes (1,1-dichloroethyl- ene and 1,2-dichloroethylene)	<input type="checkbox"/>
5.	*benzidine	<input type="checkbox"/>	29.	1,1-dichloroethylene	<input type="checkbox"/>
6.	*carbon tetrachloride (tetrachloromethane)	<input type="checkbox"/>	30.	1,2-trans-dichloroethylene (acetylene dichloride)	<input type="checkbox"/>
	*chlorinated benzenes (other than dichlorobenzenes)	<input type="checkbox"/>	31.	*2,4-dichlorophenol	<input type="checkbox"/>
7.	chlorobenzene	<input type="checkbox"/>		*dichloropropane and dichloropropene	<input type="checkbox"/>
8.	1,2,4-trichlorobenzene	<input type="checkbox"/>	32.	1,2-dichloropropane (propylene dichloride)	<input type="checkbox"/>
9.	hexachlorobenzene (perchlorobenzene)	<input type="checkbox"/>	33.	1,2-dichloropropylene (1,3- dichloropropene)	<input type="checkbox"/>
	*chlorinated ethanes	<input type="checkbox"/>	34.	*2,4-dimethylphenol (2,4-xlenol)	<input type="checkbox"/>
10.	1,2-dichloroethane (ethylene chloride)	<input type="checkbox"/>		*dinitrotoluene	<input type="checkbox"/>
11.	1,1,1-trichloroethane (methyl chloroform)	<input type="checkbox"/>	35.	2,4-dinitrotoluene	<input type="checkbox"/>
12.	hexachloroethane (perchloroethane)	<input type="checkbox"/>	36.	2,6-dinitrotoluene	<input type="checkbox"/>
13.	1,1-dichloroethane (ethylidene chloride)	<input type="checkbox"/>	37.	*1,2-diphenylhydrazine (hydrazobenzene)	<input type="checkbox"/>
14.	1,1,2-trichloroethane (vinyl trichloride)	<input type="checkbox"/>	38.	*ethylbenzene	<input type="checkbox"/>
15.	1,1,2,2-tetrachloroethane (acetylene tetrachloride)	<input type="checkbox"/>	39.	*fluoranthene	<input type="checkbox"/>
16.	chloroethane (ethylchloride)	<input type="checkbox"/>		*haloethers (other than those listed elsewhere)	<input type="checkbox"/>
	*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)	<input type="checkbox"/>	40.	4-chlorophenyl phenyl ether	<input type="checkbox"/>
17.	bis(chloromethyl) ether	<input type="checkbox"/>	41.	4-bromophenyl phenyl ether	<input type="checkbox"/>
18.	bis(2-chloroethyl) ether	<input type="checkbox"/>	42.	bis(2-chloroisopropyl) ether	<input type="checkbox"/>
19.	2-chloroethyl vinyl ether (mixed)	<input type="checkbox"/>	43.	bis(2-chloroethoxy) methane	<input type="checkbox"/>
	*chlorinated naphthalene	<input type="checkbox"/>		*halomethanes (other than those listed elsewhere)	<input type="checkbox"/>
20.	2-chloronaphthalene	<input type="checkbox"/>	44.	methylene chloride (dichloromethane)	<input type="checkbox"/>
	*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)	<input type="checkbox"/>	45.	methyl chloride (chloromethane)	<input type="checkbox"/>
21.	2,4,6-trichlorophenol	<input type="checkbox"/>	46.	methyl bromide (bromomethane)	<input type="checkbox"/>
22.	4-chloro-3-methylphenol (parachlorometa cresol)	<input type="checkbox"/>	47.	bromoform (tribromomethane)	<input type="checkbox"/>
23.	*chloroform (trichloromethane)	<input type="checkbox"/>	48.	dichlorobromomethane	<input type="checkbox"/>
24.	*2-chlorophenol (para-chlorophenol)	<input type="checkbox"/>	49.	trichlorofluoromethane (fluorocarbon-11)	<input type="checkbox"/>
	*dichlorobenzenes	<input type="checkbox"/>	50.	dichlorodifluoromethane (fluorocarbon-12)	<input type="checkbox"/>
25.	1,2-dichlorobenzene (ortho)	<input type="checkbox"/>	51.	dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>
26.	1,3-dichlorobenzene (meta)	<input type="checkbox"/>	52.	*hexachlorobutadiene	<input type="checkbox"/>
			53.	*hexachlorocyclopentadiene (perchlorocyclopentadiene)	<input type="checkbox"/>

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
54.	*isophorone	<input type="checkbox"/>	93.	4,4'-DDE (p,o'-DDX)	<input type="checkbox"/>
55.	*naphthalene	<input checked="" type="checkbox"/>	94.	4,4'-DDD (p,o'-TDE)	<input type="checkbox"/>
56.	*nitrobenzene	<input type="checkbox"/>		*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)		95.	endosulfan I (a-endosulfan-Alpha)	<input type="checkbox"/>
57.	2-nitrophenol (para)	<input type="checkbox"/>	96.	endosulfan II (b-endosulfan-Beta)	<input type="checkbox"/>
58.	4-nitrophenol (ortho)	<input type="checkbox"/>	97.	endosulfan sulfate	<input type="checkbox"/>
59.	*2,4-dinitrophenol	<input type="checkbox"/>		*endrin and metabolites	
60.	4,6-dinitro-2-methylphenol (4,6-dinitro-o-cresol)	<input type="checkbox"/>	98.	endrin	<input type="checkbox"/>
	*nitrosamines		99.	endrin aldehyde	<input type="checkbox"/>
61.	N-nitrosodimethylamine	<input type="checkbox"/>		*heptachlor and metabolites	
62.	N-nitrosodiphenylamine	<input type="checkbox"/>	100.	heptachlor	<input type="checkbox"/>
63.	N-nitrosodi-n-propylamine	<input type="checkbox"/>	101.	heptachlor epoxide	<input type="checkbox"/>
64.	*pentachlorophenol	<input type="checkbox"/>		*hexachlorocyclohexane (all isomers)	
65.	*phenol	<input checked="" type="checkbox"/>	102.	a-BHC-Alpha	<input type="checkbox"/>
	*phthalate esters		103.	b-BHC-Beta	<input type="checkbox"/>
66.	bis(2-ethylhexyl) phthalate	<input type="checkbox"/>	104.	r-BHC-Gamma (lindane)	<input type="checkbox"/>
67.	butyl benzyl phthalate	<input type="checkbox"/>	105.	g-BHC-Delta	<input type="checkbox"/>
68.	di-n-butyl phthalate	<input type="checkbox"/>		*polychlorinated biphenyls (PCB's)	
69.	di-n-octyl phthalate	<input type="checkbox"/>	106.	PCB-1242 (Arochlor 1242)	<input type="checkbox"/>
70.	diethyl phthalate	<input type="checkbox"/>	107.	PCB-1254 (Arochlor 1254)	<input type="checkbox"/>
71.	dimethyl phthalate	<input type="checkbox"/>	108.	PCB-1221 (Arochlor 1221)	<input type="checkbox"/>
	*polynuclear aromatic hydrocarbons		109.	PCB-1232 (Arochlor 1232)	<input type="checkbox"/>
72.	benzo(a)anthracene (1,2-benzanthracene)	<input type="checkbox"/>	110.	PCB-1248 (Arochlor 1248)	<input type="checkbox"/>
73.	benzo(a)pyrene (3,4-benzopyrene)	<input type="checkbox"/>	111.	PCB-1260 (Arochlor 1260)	<input type="checkbox"/>
74.	3,4-benzofluoranthene	<input type="checkbox"/>	112.	PCB-1016 (Arochlor 1016)	<input type="checkbox"/>
75.	benzo(k)fluoranthene (11,12-benzofluoranthene)	<input type="checkbox"/>	113.	*toxaphene	<input type="checkbox"/>
76.	chrysene (1,2-benzphenanthrene)	<input type="checkbox"/>	114.	*antimony (total)	<input type="checkbox"/>
77.	acenaphthylene	<input type="checkbox"/>	115.	*arsenic (total)	<input type="checkbox"/>
78.	anthracene	<input type="checkbox"/>	116.	*asbestos (fibrous)	<input type="checkbox"/>
79.	benzo(ghi)perylene (1,12-benzoperylene)	<input type="checkbox"/>	117.	*beryllium (total)	<input type="checkbox"/>
80.	fluorene ([alpha] - diphenylene methane)	<input type="checkbox"/>	118.	*cadmium (total)	<input type="checkbox"/>
81.	phenanthrene	<input type="checkbox"/>	119.	*chromium (hexavalent)	<input type="checkbox"/>
82.	dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)	<input type="checkbox"/>	120.	*copper (total)	<input type="checkbox"/>
83.	indeno (1,2,3-cd)pyrene (2,3-o-phenylenepyrene)	<input type="checkbox"/>	121.	*cyanide (total) 25 mg/L	<input checked="" type="checkbox"/>
84.	pyrene	<input type="checkbox"/>	122.	*lead (total)	<input type="checkbox"/>
85.	*tetrachloroethylene (perchloroethylene)	<input type="checkbox"/>	123.	*mercury (total)	<input type="checkbox"/>
86.	*toluene (methylbenzene or toluol)	<input type="checkbox"/>	124.	*nickel (total)	<input type="checkbox"/>
87.	*trichloroethylene	<input type="checkbox"/>	125.	*selenium (total)	<input type="checkbox"/>
88.	*vinyl chloride (chloroethylene) pesticides and metabolites	<input type="checkbox"/>	126.	*silver (total)	<input type="checkbox"/>
89.	*aldrin	<input type="checkbox"/>	127.	*thallium (total)	<input type="checkbox"/>
90.	*dieldrin	<input type="checkbox"/>	128.	*zinc (total)	<input type="checkbox"/>
91.	*chlordan (technical mixture & metabolites)	<input type="checkbox"/>	129.	**2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<input type="checkbox"/>
	*DDT and metabolites				
92.	4,4'-DDT	<input type="checkbox"/>			

\*Specific compounds and chemical classes as listed in the 1976 EPA consent decree.

\*\*This compound was specifically listed in the consent decree. Because of the extreme toxicity (TCDD), EPA recommends that laboratories *not* acquire analytical standard for this compound.



# City of Indianapolis

## Industrial Wastewater Pretreatment Questionnaire (One Questionnaire Required Per Facility)

Account No.:	
Category: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/>	
3/25/82 Date Received	3/25/82 Date Received

### Section A - General Information

1. Company Name: Reilly Tar and Chemical Corporation
2. Street Address: 1500 South Tibbs Avenue  
Indianapolis, IN zip: 46241
3. Mailing Address: 1510 Market Square Center  
Indianapolis, IN zip: 46204
4. Briefly describe the manufacturing or service activity at this facility. Manufacture synthetic pyridine  
and related organic compounds.
5. List the major products or services of the Facility in decreasing order of gross dollar volume and briefly describe its production process.

DPW use only
<u>2865</u>
<u>2822</u>
<u>2865</u> <u>2869</u>
<u>2899</u> <u>2879</u>
<u>2899</u>

Product	Process
1. Pyridine	Continuous
2. Picolines	Continuous
3. 2-Vinylpyridine	Continuous
4. Niacinamide	Continuous

If your facility discharges *only* domestic sewage to the municipal sewerage system; check the box below, complete this page only, and return the questionnaire.

☐

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

Signature of Official: Robert D. McNeeley Title: General Manager  
 Print or Type Name: Robert D. McNeeley Date: March 25, 1982  
 Contact Person: Kim L. Bennett Telephone No.: 247-8141

6. Total number of employees: 300

7. Operating Schedule: Hrs/Day 24 Days/Week 7 Days/Yr 365

B. Scheduled Shutdown Period(s): None

9. Are processes subject to seasonal variation? Yes ☐ No ☒

If yes, explain and indicate the month(s) of peak operation, products and affect on wastewater volume and characteristics:

1

10. Describe any operating conditions (other than seasonal variations) that change your wastewater characteristics and/or volume (batch processes, clean-up, etc.) and when these conditions occur:

Utilization of a multi-product, made-to-order manufacturing facility, batch processes.

[illegible]

Section B -- Wastewater Informatic

1. Water intake:	<u>Average Gallons Per Day</u>
a. City Water Supply	<u>644,100</u>
b. Private Wells	<u>0</u>
c. _____	<u>0</u>

TOTAL

644,100

2. Water Discharge/Loss:	<u>Average Gallons Per Day</u>
--------------------------	--------------------------------

a. Municipal Sewer		<u>628,300</u>
(estimate percentage of flow according to following categories)	%	
i. cooling	<u>83</u>	
ii. process	<u>15</u>	
iii. sanitary	<u>2</u>	
iv. other	<u>          </u>	
b. Natural Receiving Waters/Storm Sewer		<u>          </u>
c. Waste Hauler		<u>          </u>
d. Evaporation		<u>44,700</u>
e. Contained in Product		<u>          </u>
f. <u>Produced</u>		<u>28,900</u>
g. <u>          </u>		<u>          </u>

TOTAL

628,300

3. If a National Pollutant Discharge Elimination System (NPDES) Permit has been issued for this facility, list the permit number: \_\_\_\_\_

4. For each facility outlet to the municipal sewerage system use the identifying number below and describe the outlet by size, average daily flow, major source(s) of flow and pH range. If flow of identical composition is split between outlets, these outlets may be considered one outlet.

Note: Please contact Dale Bertelson (634-2030) if you have any questions on reporting this information, particularly for facilities with numerous outlets.

Outlet No.	Size (in.)	Average Flow (gal/day)	Major Source(s) of Flow	pH Range
1.	12"	617,800	Process	5-10
2.	15"	-0-	Alternate Discharge of #1	5-10
3.	8"	8,000	Sanitary	5-10
4.	12"	2,500	Sanitary	5-10
5.	—	—	—	—
6.	—	—	—	—
7.	—	—	—	—
8.	—	—	—	—

5. Attach a drawing of your facility indicating the location of all outlets listed in question B-4. Include the location and a brief description of any existing sampling and/or flow monitoring activities and any other locations where sampling and/or flow monitoring can be accomplished.
6. Describe any pretreatment of wastewater streams that occurs prior to discharge to the sewerage system and the final disposal of residuals. (For example, neutralization, chemical addition, filtration, oil separation, grease trap, sedimentation, or biological treatment.)

Holding tanks, pH adjustment, API separator.

7. Does your facility have a spill prevention control and countermeasure (SPCC) plan? Yes ☒ No ☐

8. a. Characterize the wastewater for each outlet to the sewerage system (identified in question B-4) by checking the pollutants that you believe to be present in your wastewater on a regular or intermittent basis. This question should be completed with existing data only, new analysis of your wastewater is not required at this time. If your facility has multiple outlets, copy pages 5, 6 and 7 and complete them for each outlet.

Note: This section should be completed only if process wastewater is discharged to the sewerage system.

Outlet number (ref. B-4): \_\_\_\_\_

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
1.	*acenaphthene	<input type="checkbox"/>	27.	1,4-dichlorobenzene (para)	<input type="checkbox"/>
2.	*acrolein	<input type="checkbox"/>		*dichlorobenzidine	
3.	*acrylonitrile	<input type="checkbox"/>	28.	3,3'-dichlorobenzidine	<input type="checkbox"/>
4.	*benzene	<input checked="" type="checkbox"/>		*dichloroethylenes (1,1-dichloroethyl- ene and 1,2-dichloroethylene)	
5.	*benzidine	<input type="checkbox"/>	29.	1,1-dichloroethylene	<input type="checkbox"/>
6.	*carbon tetrachloride (tetrachloromethane)	<input type="checkbox"/>	30.	1,2-trans-dichloroethylene (acetylene dichloride)	<input type="checkbox"/>
	*chlorinated benzenes (other than dichlorobenzenes)		31.	*2,4-dichlorophenol	<input type="checkbox"/>
7.	chlorobenzene	<input type="checkbox"/>		*dichloropropane and dichloropropene	
8.	1,2,4-trichlorobenzene	<input type="checkbox"/>	32.	1,2-dichloropropane (propylene dichloride)	<input type="checkbox"/>
9.	hexachlorobenzene (perchlorobenzene)	<input type="checkbox"/>	33.	1,2-dichloropropylene (1,3- dichloropropene)	<input type="checkbox"/>
	*chlorinated ethanes		34.	*2,4-dimethylphenol (2,4-xylene)	<input type="checkbox"/>
10.	1,2-dichloroethane (ethylene chloride)	<input type="checkbox"/>		*dinitrotoluene	
11.	1,1,1-trichloroethane (methyl chloroform)	<input type="checkbox"/>	35.	2,4-dinitrotoluene	<input type="checkbox"/>
12.	hexachloroethane (perchloroethane)	<input type="checkbox"/>	36.	2,6-dinitrotoluene	<input type="checkbox"/>
13.	1,1-dichloroethane (ethylidene chloride)	<input type="checkbox"/>	37.	*1,2-diphenylhydrazine (hydrazobenzene)	<input type="checkbox"/>
14.	1,1,2-trichloroethane (vinyl trichloride)	<input type="checkbox"/>	38.	*ethylbenzene	<input type="checkbox"/>
15.	1,1,2,2-tetrachloroethane (acetylene tetrachloride)	<input type="checkbox"/>	39.	*fluoranthene	<input type="checkbox"/>
16.	chloroethane (ethylchloride)	<input type="checkbox"/>		*haloethers (other than those listed elsewhere)	
	*chloroalkyl ethers (chloromethyl, chloroethyl and mixed ethers)		40.	4-chlorophenyl phenyl ether	<input type="checkbox"/>
17.	bis(chloromethyl) ether	<input type="checkbox"/>	41.	4-bromophenyl phenyl ether	<input type="checkbox"/>
18.	bis(2-chloroethyl) ether	<input type="checkbox"/>	42.	bis(2-chloroisopropyl) ether	<input type="checkbox"/>
19.	2-chloroethyl vinyl ether (mixed)	<input type="checkbox"/>	43.	bis(2-chloroethoxy) methane	<input type="checkbox"/>
	*chlorinated naphthalene			*halomethanes (other than those listed elsewhere)	
20.	2-chloronaphthalene	<input type="checkbox"/>	44.	methylene chloride (dichloromethane)	<input type="checkbox"/>
	*chlorinated phenols (other than those listed elsewhere; includes trichlorophenols and chlorinated cresols)		45.	methyl chloride (chloromethane)	<input type="checkbox"/>
21.	2,4,6-trichlorophenol	<input type="checkbox"/>	46.	methyl bromide (bromomethane)	<input type="checkbox"/>
22.	4-chloro-3-methylphenol (parachlorometa cresol)	<input type="checkbox"/>	47.	bromoform (tribromomethane)	<input type="checkbox"/>
23.	*chloroform (trichloromethane)	<input type="checkbox"/>	48.	dichlorobromomethane	<input type="checkbox"/>
24.	*2-chlorophenol (para-chlorophenol)	<input type="checkbox"/>	49.	trichlorofluoromethane (fluorocarbon-11)	<input type="checkbox"/>
	*dichlorobenzenes		50.	dichlorodifluoromethane (fluorocarbon-12)	<input type="checkbox"/>
25.	1,2-dichlorobenzene (ortho)	<input type="checkbox"/>	51.	dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>
26.	1,3-dichlorobenzene (meta)	<input type="checkbox"/>	52.	*hexachlorobutadiene	<input type="checkbox"/>
			53.	*hexachlorocyclopentadiene (perchlorocyclopentadiene)	<input type="checkbox"/>

ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT	ITEM NO.	CHEMICAL COMPOUND	BELIEVED PRESENT
54.	*isophorone	<input type="checkbox"/>	93.	4,4'-DDE (p,o'-DDX)	<input type="checkbox"/>
55.	*naphthalene	<input type="checkbox"/>	94.	4,4'-DDD (p,o'-TDE)	<input type="checkbox"/>
56.	*nitrobenzene	<input type="checkbox"/>		*endosulfan and metabolites	
	*nitrophenols (including 2,4-dinitrophenol and dinitrocresol)		95.	endosulfan I (a-endosulfan-Alpha)	<input type="checkbox"/>
57.	2-nitrophenol (para)	<input type="checkbox"/>	96.	endosulfan II (b-endosulfan-Beta)	<input type="checkbox"/>
58.	4-nitrophenol (ortho)	<input type="checkbox"/>	97.	endosulfan sulfate	<input type="checkbox"/>
59.	*2,4-dinitrophenol	<input type="checkbox"/>		*endrin and metabolites	
60.	4,6-dinitro-2-methylphenol (4,6-dinitro-o-cresol)	<input type="checkbox"/>	98.	endrin	<input type="checkbox"/>
	*nitrosamines		99.	endrin aldehyde	<input type="checkbox"/>
61.	N-nitrosodimethylamine	<input type="checkbox"/>		*heptachlor and metabolites	
62.	N-nitrosodiphenylamine	<input type="checkbox"/>	100.	heptachlor	<input type="checkbox"/>
63.	N-nitrosodi-n-propylamine	<input type="checkbox"/>	101.	heptachlor epoxide	<input type="checkbox"/>
64.	*pentachlorophenol	<input type="checkbox"/>		*hexachlorocyclohexane (all isomers)	
65.	*phenol	<input checked="" type="checkbox"/>	102.	a-BHC-Alpha	<input type="checkbox"/>
	*phthalate esters		103.	b-BHC-Beta	<input type="checkbox"/>
66.	bis(2-ethylhexyl) phthalate	<input type="checkbox"/>	104.	r-BHC-Gamma (lindane)	<input type="checkbox"/>
67.	butyl benzyl phthalate	<input type="checkbox"/>	105.	g-BHC-Delta	<input type="checkbox"/>
68.	di-n-butyl phthalate	<input type="checkbox"/>		*polychlorinated biphenyls (PCB's)	
69.	di-n-octyl phthalate	<input type="checkbox"/>	106.	PCB-1242 (Arochlor 1242)	<input type="checkbox"/>
70.	diethyl phthalate	<input type="checkbox"/>	107.	PCB-1254 (Arochlor 1254)	<input type="checkbox"/>
71.	dimethyl phthalate	<input type="checkbox"/>	108.	PCB-1221 (Arochlor 1221)	<input type="checkbox"/>
	*polynuclear aromatic hydrocarbons		109.	PCB-1232 (Arochlor 1232)	<input type="checkbox"/>
72.	benzo(a)anthracene (1,2-benzanthracene)	<input type="checkbox"/>	110.	PCB-1248 (Arochlor 1248)	<input type="checkbox"/>
73.	benzo(a)pyrene (3,4-benzopyrene)	<input type="checkbox"/>	111.	PCB-1260 (Arochlor 1260)	<input type="checkbox"/>
74.	3,4-benzofluoranthene	<input type="checkbox"/>	112.	PCB-1016 (Arochlor 1016)	<input type="checkbox"/>
75.	benzo(k)fluoranthene (11,12-benzofluoranthene)	<input type="checkbox"/>	113.	*toxaphene	<input type="checkbox"/>
76.	chrysene (1,2-benzphenanthrene)	<input type="checkbox"/>	114.	*antimony (total)	<input type="checkbox"/>
77.	acenaphthylene	<input type="checkbox"/>	115.	*arsenic (total)	<input type="checkbox"/>
78.	anthracene	<input type="checkbox"/>	116.	*asbestos (fibrous)	<input type="checkbox"/>
79.	benzo(ghi)perylene (1,12-benzoperylene)	<input type="checkbox"/>	117.	*beryllium (total)	<input type="checkbox"/>
80.	fluorene ([alpha] - diphenylene methane)	<input type="checkbox"/>	118.	*cadmium (total)	<input type="checkbox"/>
81.	phenanthrene	<input type="checkbox"/>	119.	*chromium (hexavalent)	<input type="checkbox"/>
82.	dibenzo(a,h)anthracene (1,2,5,6-dibenzanthracene)	<input type="checkbox"/>	120.	*copper (total)	<input type="checkbox"/>
83.	indeno (1,2,3-cd)pyrene (2,3-o-phenylenepyrene)	<input type="checkbox"/>	121.	*cyanide (total)	<input checked="" type="checkbox"/>
84.	pyrene	<input type="checkbox"/>	122.	*lead (total)	<input type="checkbox"/>
85.	*tetrachloroethylene (perchloroethylene)	<input type="checkbox"/>	123.	*mercury (total)	<input type="checkbox"/>
86.	*toluene (methylbenzene or toluol)	<input checked="" type="checkbox"/>	124.	*nickel (total)	<input type="checkbox"/>
87.	*trichloroethylene	<input type="checkbox"/>	125.	*selenium (total)	<input type="checkbox"/>
88.	*vinyl chloride (chloroethylene)	<input type="checkbox"/>	126.	*silver (total)	<input type="checkbox"/>
	pesticides and metabolites		127.	*thallium (total)	<input type="checkbox"/>
	*aldrin	<input type="checkbox"/>	128.	*zinc (total)	<input type="checkbox"/>
	*dieldrin	<input type="checkbox"/>	129.	*2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<input type="checkbox"/>
	*chlordane (technical mixture & metabolites)	<input type="checkbox"/>			
	*DDT and metabolites				
	4,4'-DDT	<input type="checkbox"/>			

\*Specific compounds and chemical classes as listed in the 1976 EPA consent decree.

\*\*This compound was specifically listed in the consent decree. Because of the extreme toxicity (TCDD), EPA recommends that laboratories *not* acquire analytical standard for this compound.

